

PROJECT DESIGN PHASE II TECHNOLOGY STACK (ARCHITECTURE & STACK)

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|---------------|---------------------------------------|
| Date | 05 November 2022 |
| Team ID | PNT2022TMID03356 |
| Project Name | Smart Fashion Recommender Application |
| Maximum Marks | 4 Marks |

TECHNICAL ARCHITECTURE:

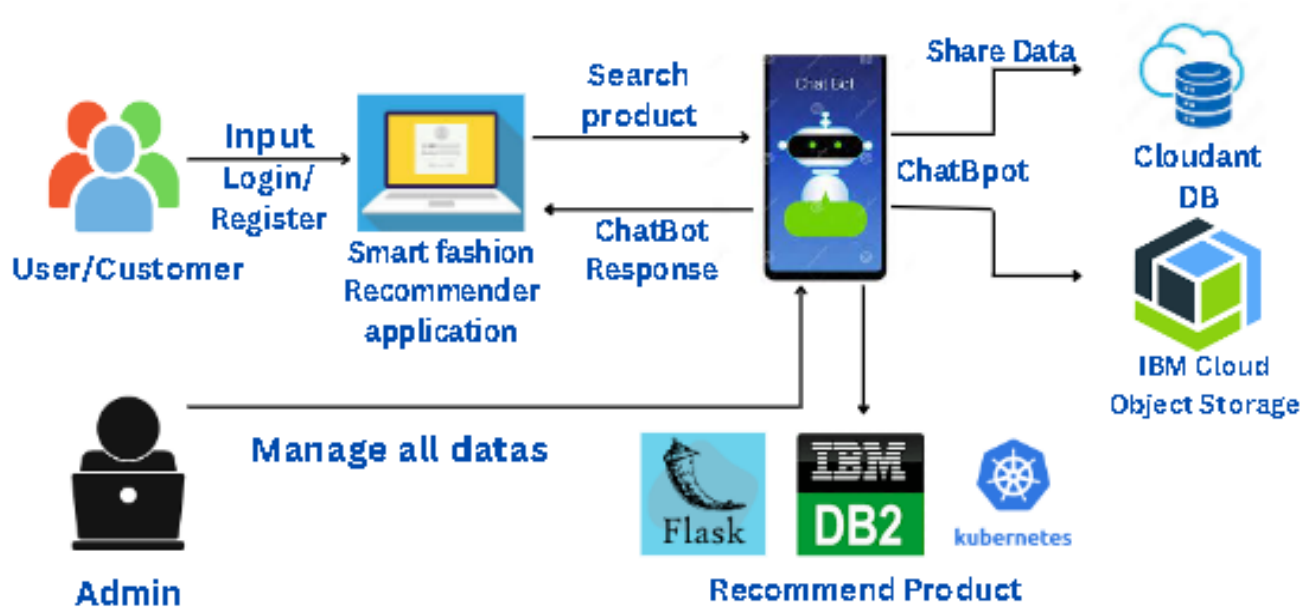


TABLE 1: COMPONENTS & TECHNOLOGIES:

| S. No | Component | Description | Technology |
|-------|------------------------------------|--|--------------------------|
| 1. | User Interface | How user interacts with application e.g. WebUI, Mobile App, Chatbot etc. | HTML, CSS, JavaScript |
| 2. | Application Logic-1 | Logic for a process in the application | Python |
| 3. | Application Logic-2 | Logic for a process in the application | IBM Watson STT service |
| 4. | Application Logic-3 | Logic for a process in the application | IBM Watson Assistant |
| 5. | Database | Data Type, Configurations etc. | MySQL |
| 6. | Cloud Database | Database Service on Cloud | IBM DB2 |
| 7. | File Storage | File storage requirements | IBM Block Storage |
| 8. | Machine Learning Model | To detect the relevant images | Object Recognition Model |
| 9. | Infrastructure (Server / Cloud) | Application Deployment on Cloud Cloud Server Configuration : Db2 /python | Kubernetes |

TABLE 2: APPLICATION CHARACTERISTICS:

| S. No | Characteristics | Description | Technology |
|------------------|--------------------------------|---|-----------------------------|
| 1. | Open-Source Frameworks | Flask | Python |
| 2. | encryption hashing and salting | Encryption hashing and salting | Encryptions |
| 3. | Scalable Architecture | Getting resources to different parts of the system that need it | Micro services Architecture |
| 4. | Availability | The Application available 24/7 | IBM Cloud |
| 5. | Performance | 1000 request per day | IBM Watson |